BRADLEY LANDFILL AND RECYCLING CENTER
A WASTE MANAGEMENT COMPANY

9081 Tujunga Avenue
Sun Valley, California 91352
(818) 767-6180
(818) 252-3239 Fax
(818) 252-3107 24-Hour Community Hotline

June 14, 2005

Ms. Sumaira Noreen
Los Angeles Regional Water Quality Control Board
320 W. 4th Street, STE 200
Los Angeles, CA 90013

Re: **Annual Report For Stormwater Discharge Associated With Industrial Activities, Bradley Landfill And Recycling Center, Facility WDID No. 419S00556.**

Dear Ms. Noreen:

Enclosed is the *2004-2005 Annual Report for the Bradley Landfill and Recycling Center.* This report is submitted pursuant to requirements of the State Water Resources Control Board National Pollutant Discharge Elimination System (NPDES) General Permit No. CAS000001 for discharge of stormwater associated with industrial activities.

This report indicates that Bradley Landfill and Recycling Center is in compliance with the General Permit. All samples collected throughout the reporting period were evaluated for constituents required by the General Permit.

Due to grading changes and effective BMPs, at the facility, only 2 points generated discharges. This winter two eligible storm events were sampled and analyzed in accordance with the General Permit parameters and an additional pollutant listed in the General Permit (table D). The samples were collected on October 26, 2004 and February 17, 2005.

If you have any questions regarding this submittal please contact me at (818) 252-3147.

Very truly yours,

Doug Corcoran
Director of Operations

Enc

Cc: Storm water 2004-2005
LARWQCB Correspondence

State of California
STATE WATER RESOURCES CONTROL BOARD

2004-2005

ANNUAL REPORT

FOR
STORM WATER DISCHARGES ASSOCIATED
WITH INDUSTRIAL ACTIVITIES

Reporting Period July 1, 2004 through June 30, 2005

An annual report is required to be submitted to your local Regional Water Quality Control Board (Regional Board) by July 1 of each year. This document must be certified and signed, under penalty of perjury, by the appropriate official of your company. Many of the Annual Report questions require an explanation. Please provide explanations on a separate sheet as an attachment. **Retain a copy of the completed Annual Report for your records.**

Please circle or highlight any information contained in Items A, B, and C below that is new or revised so we can update our records. Please remember that a Notice of Termination and new Notice of Intent are required whenever a facility operation is relocated or changes ownership.

If you have any questions, please contact your Regional Board Industrial Storm Water Permit Contact. The names, telephone numbers and e-mail addresses of the Regional Board contacts, as well as the Regional Board office addresses can be found at http://www.waterboards.ca.gov/stormwtr/contact.html. To find your Regional Board information, match the first digit of your WDID number with the corresponding number that appears in parenthesis on the first line of each Regional Board office.

GENERAL INFORMATION:

A. Facility Information:

Facility WDID No : 4 19I005561

Facility Business Name: Bradley Landfill and Recycling Center

Contact Person: Doug Corcoran

Physical Address: 9227 Tujunga Avenue — e-mail: dcorcoran@wm.com

City: Sun Valley — **CA** Zip: 91352 Phone: 818/767-6180

Standard Industrial Classification (SIC) Code(s): 4953

B. Facility Operator Information:

Operator Name: Bradley Landfill and Recycling Center — Contact Person: Doug Corcoran

Mailing Address: 9081 Tujunga Avenue — e-mail: dcorcoran@wm.com

City: Sun Valley — State: CA Zip: 91352 Phone: 818/767-6180

C. Facility Billing Information:

Operator Name: Same as Operator — Contact Person: _____

Mailing Address: _____ — e-mail: _____

City: _____ — State: ____ Zip: _____ Phone: _____

4. For each storm event sampled, did you collect and analyze a sample from each of the facility's' storm water discharge locations? ☒ YES, go to Item E.6 ☐ NO

5. Was sample collection or analysis reduced in accordance with Section B.7.d of the General Permit? ☐ YES ☒ NO, **attach explanation**

   If "YES", **attach documentation** supporting your determination that two or more drainage areas are substantially identical.

   Date facility's drainage areas were last evaluated ___/___/_____

6. Were <u>all</u> samples collected during the first hour of discharge? ☒ YES ☐ NO, **attach explanation**

7. Was <u>all</u> storm water sampling preceded by three (3) working days without a storm water discharge? ☒ YES ☐ NO, **attach explanation**

8. Were there any discharges of storm water that had been temporarily stored or contained? (such as from a pond) ☐ YES ☒ NO, go to Item E.10

9. Did you collect and analyze samples of temporarily stored or contained storm water discharges from two storm events? (or one storm event if you checked item D.2.i or iii. above) ☐ YES ☐ NO, **attach explanation**

10. Section B.5. of the General Permit requires you to analyze storm water samples for pH, Total Suspended Solids (TSS), Specific Conductance (SC), Total Organic Carbon (TOC) or Oil and Grease (O&G), other pollutants likely to be present in storm water discharges in significant quantities, and analytical parameters listed in Table D of the General Permit.

    a. Does Table D contain any additional parameters related to your facility's SIC code(s)? ☒ YES ☐ NO, Go to Item E.11

    b. Did you analyze all storm water samples for the applicable parameters listed in Table D? ☒ YES ☐ NO

    c. If you did not analyze all storm water samples for the applicable Table D parameters, check one of the following reasons:

    _____ In prior sampling years, the parameter(s) have not been detected in significant quantities from two consecutive sampling events. **Attach explanation**

    _____ The parameter(s) is not likely to be present in storm water discharges and authorized non-storm water discharges in significant quantities based upon the facility operator's evaluation. **Attach explanation**

    _____ Other. **Attach explanation**

11. For each storm event sampled, attach a copy of the laboratory analytical reports and report the sampling and analysis results using **Form 1** or its equivalent. The following must be provided for each sample collected:

- Date and time of sample collection
- Name and title of sampler
- Parameters tested
- Name of analytical testing laboratory
- Discharge location identification
- Testing results
- Test methods used
- Test detection limits
- Date of testing
- Copies of the laboratory analytical results

G. MONTHLY WET SEASON VISUAL OBSERVATIONS

Section B.4.a of the General Permit requires you to conduct monthly visual observations of storm water discharges at all storm water discharge locations during the wet season. These observations shall occur during the first hour of discharge or, in the case of temporarily stored or contained storm water, at the time of discharge.

1. Indicate below whether monthly visual observations of storm water discharges occurred at all discharge locations. **Attach an explanation for any "NO" answers.** Include in this explanation whether any eligible storm events occurred during scheduled facility operating hours that did not result in a storm water discharge, and provide the date, time, name and title of the person who observed that there was no storm water discharge. **Discharge Only occurred in October 04 and Feb 05. No other eligible storms-light rain and ineligible storms occurred in other months. Inspection form completed.**

	YES	NO		YES	NO
October	☒	☐	February	☒	☐
November	☒	☐	March	☒	☐
December	☒	☐	April	☒	☐
January	☒	☐	May	☒	☐

2. Report monthly wet season visual observations using **Form 4** or provide the following information:

   a. date, time, and location of observation
   b. name and title of observer
   c. characteristics of the discharge (i.e., odor, color, etc.) and source of any pollutants observed
   d. **any** new or revised BMPs necessary to reduce or prevent pollutants in storm water discharges. Provide new or revised BMP implementation date.

ANNUAL COMPREHENSIVE SITE COMPLIANCE EVALUATION (ACSCE)

H. ACSCE CHECKLIST

Section A.9 of the General Permit requires the facility operator to conduct one ACSCE in each reporting period (July 1-June 30). Evaluations must be conducted within 8-16 months of each other. The SWPPP and monitoring program shall be revised and implemented, as necessary, within 90 days of the evaluation. The checklist below includes the minimum steps necessary to complete a ACSCE. Indicate whether you have performed each step below. **Attach an explanation for any "NO" answers.**

1. Have you inspected all potential pollutant sources and industrial activities areas? ☒ YES ☐ NO
   The following areas should be inspected:

   - areas where spills and leaks have occurred during the last year
   - outdoor wash and rinse areas
   - process/manufacturing areas
   - loading, unloading, and transfer areas
   - waste storage/disposal areas
   - dust/particulate generating areas
   - erosion areas
   - building repair, remodeling, and construction
   - material storage areas
   - vehicle/equipment storage areas
   - truck parking and access areas
   - rooftop equipment areas
   - vehicle fueling/maintenance areas
   - non-storm water discharge generating areas

2. Have you reviewed your SWPPP to assure that its BMPs address existing potential pollutant sources and industrial activities areas? ☒ YES ☐ NO

3. Have you inspected the entire facility to verify that the SWPPP's site map is up-to-date? The following site map items should be verified: ☒ YES ☐ NO

   - facility boundaries
   - outline of all storm water drainage areas
   - areas impacted by run-on
   - storm water discharges locations
   - storm water collection and conveyance system
   - structural control measures such as catch basins, berms, containment areas, oil/water separators, etc.

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ANNUAL REPORT

ATTACHMENT SUMMARY

Answer the questions below to help you determine what should be attached to this annual report. Answer NA (Not Applicable) to questions 2-4 if you are not required to provide those attachments.

1.	Have you attached Forms 1,2,3,4, and 5 or their equivalent?	☒ YES (Mandatory)		
2.	If you conducted sampling and analysis, have you attached the laboratory analytical reports?	☒ YES	☐ NO	☐ NA
3.	If you checked box II, III, IV, or V in item D.2 of this Annual Report, have you attached the first page of the appropriate certifications?	☐ YES	☐ NO	☒ NA
4.	Have you attached an explanation for each "NO" answer in items E.1, E.2, E.5-E.7, E.9, E.10.c, F.1.b, F.2.a, F.2.c, G.1, H.1-H.7, or J?	☐ YES	☐ NO	☒ NA

ANNUAL REPORT CERTIFICATION

I am duly authorized to sign reports required by the INDUSTRIAL ACTIVITIES STORM WATER GENERAL PERMIT (see Standard Provision C.9) and I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those person directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Printed Name: Doug Corcoran

Signature: _____ Date: 6/16/05

Title: DIRECTOR OF OPERATIONS

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SIDE A

FORM 1-SAMPLING & ANALYSIS RESULTS

FIRST STORM EVENT

- If analytical results are less than the detection limit (or non detectable), show the value as less than the numerical value of the detection limit (example: <.05)
- If you did not analyze for a required parameter, do not report "0". Instead, leave the appropriate box blank
- When analysis is done using portable analysis (such as portable pH meters, SC meters, etc.), indicate "PA" in the appropriate test method used box.
- Make additional copies of this form as necessary.

NAME OF PERSON COLLECTING SAMPLE(S): Bruce Matlock **TITLE:** Compliance Supervisor **SIGNATURE:** _____

DESCRIBE DISCHARGE LOCATION Example: NW Out Fall	DATE/TIME OF SAMPLE COLLECTION	TIME DISCHARGE STARTED	ANALYTICAL RESULTS For First Storm Event									
			BASIC PARAMETERS					OTHER PARAMETERS				
			PH	TSS	SC	O&G	TOC	Fe				
Discharge Point D	10/26/04 @ 5:30 PM AM ☐ PM	☐AM 5:15 pm PM	8.8	83	130		9.6	5.6				
Discharge Point E	10/26/04 @ 5:15 pm ☐ AM ☒PM	5:15 pm	7.7	64	99		1.0	3.7				
TEST REPORTING UNITS: ☐			pH Units	mg/l	umho/cm	mg/l	mg/l					
TEST METHOD DETECTION LIMIT:			.10	2.0	2.0		1.0	100				
TEST METHOD USED:			150.1	160.2	120.1		415.1	200.7				
ANALYZED BY (SELF/LAB):			Lab	Lab	Lab		Lab	Lab				

TSS – Total Suspended Solids SC – Specific Conductance O&G – Oil & Grease TOC – Total Organic Carbon

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SIDE A

FORM 2-QUARTERLY VISUAL OBSERVATIONS OF AUTHORIZED NON-STORM WATER DISCHARGES (NSWDs)

- Quarterly dry weather visual observations are required of each authorized NSWD.
- Observe each authorized NSWD source, impacted drainage area, and discharge location.
- Authorized NSWDs must meet the conditions provided in Section D (pages 5-6), of the General Permit.
- Make additional copies of this form as necessary.

QUARTER: **JULY-SEPT.** DATE: 9/27/04	**Observers Name:** Bruce Matlock **Title:** Compliance Supervisor **Signature:** Bruce Matlock	**WERE ANY AUTHORIZED NSWDs DISCHARGED DURING THIS QUARTER?** ☒ **YES** ☐ **NO** If **YES**, complete reverse side of this form.
QUARTER: **OCT.-DEC.** DATE: 10/26/04	**Observers Name:** Miguel Ramerez **Title:** Supervisor **Signature:**	**WERE ANY AUTHORIZED NSWDs DISCHARGED DURING THIS QUARTER?** ☐ **YES** ☒ **NO** If **YES**, complete reverse side of this form.
QUARTER: **JAN.-MARCH** DATE: 2/17/04	**Observers Name:** Miguel Ramerez **Title:** Supervisor **Signature:**	**WERE ANY AUTHORIZED NSWDs DISCHARGED DURING THIS QUARTER?** ☐ **YES** ☒ **NO** If **YES**, complete reverse side of this form.
QUARTER: **APRIL-JUNE** DATE: 6/13/05	**Observers Name:** Miguel Ramerez **Title:** Supervisor **Signature:**	**WERE ANY AUTHORIZED NSWDs DISCHARGED DURING THIS QUARTER?** ☐ **YES** ☒ **NO** If **YES**, complete reverse side of this form.

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SIDE B

FORM 2-QUARTERLY VISUAL OBSERVATIONS OF AUTHORIZED NON-STORM WATER DISCHARGES (NSWDs)

DATE /TIME OF OBSERVATION	SOURCE AND LOCATION OF AUTHORIZED NSWD EXAMPLE: Air conditioner Units on Building C	NAME OF AUTHORIZED NSWD EXAMPLE: Air conditioner condensate	DESCRIBE AUTHORIZED NSWD CHARACTERISTICS Indicate whether authorized NSWD is clear, cloudy, or discolored, causing staining, contains floating objects or an oil sheen, has odors, etc.		DESCRIBE ANY REVISED OR NEW BMPs AND PROVIDE THEIR IMPLEMENTATION DATE
			At the NSWD Source	At the NSWD Drainage Area and Discharge Location	
9/27/04 ___ ☐ AM ☐ PM	Sprinkler System	Irrigation water	Clear	No pollutants carried on to street	N/A
10/26/04 ___ ☐ AM ☐ PM	N/A				
2/17/04 ___ ☐ AM ☐ PM	N/A				
6/13/05 ___ ☐ AM ☐ PM	N/A				
_____ ___ ☐ AM ☐ PM					

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SIDE A

FORM 3-QUARTERLY VISUAL OBSERVATIONS OF UNAUTHORIZED NON-STORM WATER DISCHARGES (NSWDs)

- Unauthorized NSWDs are discharges (such as wash or rinse waters) that do not meet the conditions provided in Section D (pages 5-6) of the General Permit.
- Quarterly visual observations are required to observe current and detect prior unauthorized NSWDs.
- Quarterly visual observations are required during dry weather and at all facility drainage areas.
- Each unauthorized NSWD source, impacted drainage area, and discharge location must be identified and observed.
- Unauthorized NSWDs that can not be eliminated within 90 days of observation must be reported to the Regional Board in accordance with Section A.10.e of the General Permit.
- Make additional copies of this form as necessary.

QUARTER: **JULY-SEPT.** **DATE/TIME OF OBSERVATIONS** 9/27/04 9:30 ☒ AM ☐ PM	**Observers Name:** Bruce Matlock **Title:** Supervisor **Signature:** Bruce Matlock	**WERE UNAUTHORIZED NSWDs OBSERVED?** ☐ YES ☒ NO **WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs?** ☐ YES ☒ NO	If **YES** to either question, complete reverse side.
QUARTER: **OCT.-DEC.** **DATE/TIME OF OBSERVATIONS** 10/26/04 3:50 ☐ AM ☒ PM	**Observers Name:** Miguel Ramerez **Title:** Supervisor **Signature:**	**WERE UNAUTHORIZED NSWDs OBSERVED?** ☐ YES ☒ NO **WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs?** ☐ YES ☒ NO	If **YES** to either question, complete reverse side.
QUARTER: **JAN.-MARCH** **DATE/TIME OF OBSERVATIONS** 2/17/05 2:00 ☐ AM ☒ PM	**Observers Name:** Miguel Rameriz **Title:** Supervisor **Signature:**	**WERE UNAUTHORIZED NSWDs OBSERVED?** ☐ YES ☒ NO **WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs?** ☐ YES ☒ NO	If **YES** to either question, complete reverse side.
QUARTER: **APRIL-JUNE** **DATE/TIME OF OBSERVATIONS** 6/13/05 3:00 ☐ AM ☒ PM	**Observers Name:** Miguel Rameriz **Title:** Supervisor **Signature:**	**WERE UNAUTHORIZED NSWDs OBSERVED?** ☐ YES ☒ NO **WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs?** ☐ YES ☒ NO	If **YES** to either question, complete reverse side.

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SIDE B

FORM 3 QUARTERLY VISUAL OBSERVATIONS OF UNAUTHORIZED NON-STORM WATER DISCHARGES (NSWDs)

OBSERVATION DATE (FROM REVERSE SIDE)	NAME OF UNAUTHORIZED NSWD EXAMPLE: Vehicle Wash Water	SOURCE AND LOCATION OF UNAUTHORIZED NSWD EXAMPLE: NW Corner of Parking Lot	DESCRIBE UNAUTHORIZED NSWD CHARACTERISTICS Indicate whether unauthorized NSWD is clear, cloudy, discolored, causing stains; contains floating objects or an oil sheen, has odors, etc.		DESCRIBE CORRECTIVE ACTIONS TO ELIMINATE UNAUTHORIZED NSWD AND TO CLEAN IMPACTED DRAINAGE AREAS. PROVIDE UNAUTHORIZED NSWD ELIMINATION DATE.
			AT THE UNAUTHORIZED NSWD SOURCE	AT THE UNAUTHORIZED NSWD AREA AND DISCHARGE LOCATION	
9/27/04 ___ ☐ AM ☐ PM	N/A				
10/26/04 ___ ☐ AM ☐ PM	N/A				
2/17/05 ___ ☐ AM ☐ PM	N/A				
6/13/05 ___ ☐ AM ☐ PM	N/A				

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FORM 4-MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES

SIDE A

- Storm water discharge visual observations are required for at least one storm event per month between October 1 and May 31.
- Visual observations must be conducted during the first hour of discharge at all discharge locations.
- Discharges of temporarily stored or contained storm water must be observed at the time of discharge.
- Indicate "None" in the first column of this form if you did not conduct a monthly visual observation.
- Make additional copies of this form as necessary.
- Until a monthly visual observation is made, record any eligible storm events that do not result in a storm water discharge and note the date, time, name, and title of who observed there was no storm water discharge.

Observation Date: October 26 2004 Observers Name: Bruce Matlock Title: Compliance Supervisor Signature: Bruce Matlock	Drainage Location Description	#1 Discharge Pt D	#2 Discharge Pt E	#3	#4
	Observation Time	5:50 ☒ P.M. ☐ A.M.	5:30 ☒ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.
	Time Discharge Began	5:15 ☒ P.M. ☐ A.M.	5:15 ☒ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.
	Were Pollutants Observed (If yes, complete reverse side)	YES ☐ NO ☐	YES ☐ NO ☐	YES ☐ NO ☐	YES ☐ NO ☐
Observation Date: November 30 2004 Observers Name: Bruce Matlock Title: Compliance Supervisor Signature: Bruce Matlock	Drainage Location Description	#1 Discharge Pt D	#2 Discharge Pt E	#3	#4
	Observation Time	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.
	Time Discharge Began	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.
	Were Pollutants Observed (If yes, complete reverse side)	YES ☐ NO ☐	YES ☐ NO ☐	YES ☐ NO ☐	YES ☐ NO ☐
Observation Date: December ____ 2004 NONE - NO ELIGIBLE STORM EVENT Observers Name: _____ Title: _____ Signature: _____	Drainage Location Description	#1	#2	#3	#4
	Observation Time	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.
	Time Discharge Began	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.
	Were Pollutants Observed (If yes, complete reverse side)	YES ☐ NO ☐	YES ☐ NO ☐	YES ☐ NO ☐	YES ☐ NO ☐
Observation Date: January ____ 2005 NONE - NO ELIGIBLE EVENT Observers Name: _____ Title: _____ Signature: _____	Drainage Location Description	#1	#2	#3	#4
	Observation Time	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.
	Time Discharge Began	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.
	Were Pollutants Observed (If yes, complete reverse side)	YES ☐ NO ☐	YES ☐ NO ☐	YES ☐ NO ☐	YES ☐ NO ☐

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SIDE B

FORM 4-MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES

DATE/TIME OF OBSERVATION (From Reverse Side)	DRAINAGE AREA DESCRIPTION EXAMPLE: Discharge from material storage Area #2	DESCRIBE STORM WATER DISCHARGE CHARACTERISTICS Indicate whether storm water discharge is clear, cloudy, or discolored; causing staining; containing floating objects or an oil sheen, has odors, etc.	IDENTIFY AND DESCRIBE SOURCE(S) OF POLLUTANTS EXAMPLE: Oil sheen caused by oil dripped by trucks in vehicle maintenance area.	DESCRIBE ANY REVISED OR NEW BMPs AND THEIR DATE OF IMPLEMENTATION
10/26/04 5:15 ☐ AM X ☐ PM	Discharge from west perimeter ditch, the gas recovery area and Gate B.	Discharge at West perimeter ditch and gas recovery area were slightly brown with bits of organic matter. No discharge from Gate B area.	Soil/sediment	None
/ / : ☐ AM ☐ PM				
/ / : ☐ AM ☐ PM				
/ / : ☐ AM ☐ PM				

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SIDE B

FORM 4 (Continued)-MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES

DATE/TIME OF OBSERVATION (From Reverse Side)	DRAINAGE AREA DESCRIPTION EXAMPLE: Discharge from material storage Area #2	DESCRIBE STORM WATER DISCHARGE CHARACTERISTICS Indicate whether storm water discharge is clear, cloudy, or discolored; causing staining; containing floating objects or an oil sheen, has odors, etc.	IDENTIFY AND DESCRIBE SOURCE(S) OF POLLUTANTS EXAMPLE: Oil sheen caused by oil dripped by trucks in vehicle maintenance area.	DESCRIBE ANY REVISED OR NEW BMPs AND THEIR DATE OF IMPLEMENTATION
2/17/05 3:00pm ☐ AM ☐ PM	Discharge from Point D and E.	Clear	None	NA
__/__/__ __:__ ☐ AM ☐ PM				
__/__/__ __:__ ☐ AM ☐ PM				
__/__/__ __:__ ☐ AM ☐ PM				
__/__/__ __:__ ☐ AM ☐ PM				

2004 - 2005

ANNUAL REPORT

SIDE B

FORM 5 (Continued)-ANNUAL COMPREHENSIVE SITE COMPLIANCE EVALUATION
POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY BMP STATUS

EVALUATION DATE: 6/13/05 INSPECTOR NAME: Laura Keener TITLE: Consultant SIGNATURE: Laura Keener

POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP)			Describe deficiencies in BMPs or BMP implementation	Describe additional/revised BMPs or corrective actions and their date(s) of implementation
Petroleum Storage	HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? ☐YES ☒NO	If yes, to either question, complete the next two columns of this form		
	ARE ADDITIONAL/REVISED BMPs NECESSARY? ☐YES ☒NO			
POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP)			Describe deficiencies in BMPs or BMP implementation	Describe additional/revised BMPs or corrective actions and their date(s) of implementation
Fuel and Service Vehicle Parking area	HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? ☐YES ☒NO	If yes, to either question, complete the next two columns of this form		
	ARE ADDITIONAL/REVISED BMPs NECESSARY? ☐YES ☒NO			
POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP)			Describe deficiencies in BMPs or BMP implementation	Describe additional/revised BMPs or corrective actions and their date(s) of implementation
Equipment Wash Pad	HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? ☐YES ☒NO	If yes, to either question, complete the next two columns of this form		
	ARE ADDITIONAL/REVISED BMPs NECESSARY? ☐YES ☒NO			
POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP)			Describe deficiencies in BMPs or BMP implementation	Describe additional/revised BMPs or corrective actions and their date(s) of implementation
	HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? ☐YES ☒NO	If yes, to either question, complete the next two columns of this form		
	ARE ADDITIONAL/REVISED BMPs NECESSARY? ☐YES ☐NO			

SEVERN TRENT STL

STL Denver
4955 Yarrow Street
Arvada, CO 80002

Tel: 303 736 0100 Fax: 303 431 7171
www.stl-inc.com

ANALYTICAL REPORT

Project No. Site 234

Bradley LF
California Certification # 2513

Lot #: D5B180230

Stormwater

Bruce Matlock

Waste Mgmt. Disp. Serv. of CA
9081 Tujunga
Sun Valley CA 91352

Cc: Tina Schmiesing

STL DENVER

Betsy Farnaus
Project Manager

March 3, 2005

Table Of Contents

Standard Deliverables

Report Contents	Total Number of Pages
Standard Deliverables *The Cover Letter and the Report Cover page are considered integral parts of this Standard Deliverable package. This report is incomplete unless all pages indicated in this Table of Contents are included.*	

Lot #: D5B180230

Case Narrative

Enclosed is the report for two samples received at STL's Denver laboratory on February 18, 2005. The results included in this report have been reviewed for compliance with STL's Laboratory Quality Manual. The test results shown in this report meet all requirements of NELAC and any exceptions are noted below.

This report may include data with reporting limits (RLs) less than STL Denver's standard reporting limits. These data and reporting limits are being used specifically to meet the needs of this project. Note that, data are not customarily reported to these levels without qualifiers, because they are inherently less reliable and potentially less defensible than the latest industry standards require. Please contact STL Denver for more details.

Dilution factors and footnotes have been provided to assist in the interpretation of the results. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at concentrations above the linear calibration curve, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

STL utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameters listed on the analytical methods summary page in accordance with the methods indicated. A summary of quality control parameters is provided below.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Quality Control Summary for Lot D5B180230

Sample Receiving

- The cooler temperature upon receipt at the Denver laboratory was 4.0°C.
- The 500 ml plastic bottle for the sample DISCHARGE E and the one liter plastic bottle and 500 ml plastic bottle for the sample DISCHARGE D were mislabeled as DISCHARGE B. The client was contacted and confirmed the correct sample Ids as DISCHARGE E and DISCHARGE D. The samples volumes were confirmed using the sample times recorded on the sample bottle labels and Chain of Custody.
- All sample bottles were received in acceptable condition.

Holding Times

- All holding times were within established control limits.

Method Blanks

- Total Organic Carbon (TOC) Method 415.1 was detected in the Method Blank below the project established reporting limit. No corrective action is taken for any values in Method Blanks that are below the requested reporting limits. In addition, the samples had levels of TOC greater than ten times that of the Method Blank value, and therefore there is no impact on the data.
- All other Method Blanks were within established control limits.

Lot #: D5B180230

Laboratory Control Samples

- All Laboratory Control Samples were within established control limits.

Matrix Spike and Matrix Spike Duplicate (MS/MSD)

- All MS and MSD samples were within established control limits.

EXECUTIVE SUMMARY - Detection Highlights

D5B180230

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
DISCHARGE E 02/17/05 14:40 001				
Iron	4500	100	ug/L	MCAWW 200.7
Specific Conductance	160	2.0	umhos/cm	MCAWW 120.1
pH	9.2	0.10	No Units	MCAWW 150.1
Total Suspended Solids	78	2.0	mg/L	MCAWW 160.2
Total Organic Carbon	7.3 J	1.0	mg/L	MCAWW 415.1
Total Organic Carbon	7.6 J	1.0	mg/L	MCAWW 415.1
DISCHARGE D 02/17/05 14:30 002				
Iron	32000	100	ug/L	MCAWW 200.7
Specific Conductance	64	2.0	umhos/cm	MCAWW 120.1
pH	8.3	0.10	No Units	MCAWW 150.1
Total Suspended Solids	750 Q	10	mg/L	MCAWW 160.2
Total Organic Carbon	13 J	1.0	mg/L	MCAWW 415.1
Total Organic Carbon	13 J	1.0	mg/L	MCAWW 415.1

PREPARATION METHODS SUMMARY

D5B180230

PREPARATION DESCRIPTION	PREPARATION METHOD	ANALYTICAL METHOD
pH	MCAWW 150.1	MCAWW 150.1
Acid Digestion for Total Recoverable Metals	MCAWW 200.7	MCAWW 200.7
Non-Filterable Residue (TSS)	MCAWW 160.2	MCAWW 160.2
Specific Conductance	MCAWW 120.1	MCAWW 120.1
Total Organic Carbon	MCAWW 415.1	MCAWW 415.1

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

ANALYTICAL METHODS SUMMARY

D5B180230

PARAMETER	ANALYTICAL METHOD
pH (Electrometric)	MCAWW 150.1
Inductively Coupled Plasma (ICP) Metals	MCAWW 200.7
Non-Filterable Residue (TSS)	MCAWW 160.2
Specific Conductance	MCAWW 120.1
Total Organic Carbon	MCAWW 415.1

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

METHOD / ANALYST SUMMARY

D5B180230

ANALYTICAL METHOD	ANALYST	ANALYST ID
MCAWW 120.1	Maria Fayard	002596
MCAWW 150.1	Fougere M. Danielle	006481
MCAWW 160.2	David Kendall	002164
MCAWW 200.7	Janel Motichka	002862
MCAWW 200.7	Janel Motichka	2862
MCAWW 415.1	Dave Elkin	000901

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SAMPLE SUMMARY

D5B180230

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
G4PN7	001	DISCHARGE E	02/17/05	14:40
G4PPE	002	DISCHARGE D	02/17/05	14:30

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

Waste Management, Inc.

Client Sample ID: DISCHARGE E

TOTAL Metals

Lot-Sample #...: D5B180230-001 Matrix.....: WATER
Date Sampled...: 02/17/05 14:40 Date Received..: 02/18/05

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 5053561						
Iron	4500	100	ug/L	MCAWW 200.7	02/24-02/25/05	G4PN71AG
		Dilution Factor: 1		Analysis Time..: 19:31	MDL.....: 28	

Waste Management, Inc.

Client Sample ID: DISCHARGE D

TOTAL Metals

Lot-Sample #...: D5B180230-002 **Matrix.....:** WATER
Date Sampled...: 02/17/05 14:30 **Date Received..:** 02/18/05

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 5053561						
Iron	**32000**	**100**	**ug/L**	**MCAWW 200.7**	**02/24-02/25/05**	**G4PPE1AG**
		Dilution Factor: 1		Analysis Time..: 19:37	MDL.....: 28	

Waste Management, Inc.

Client Sample ID: DISCHARGE E

General Chemistry

Lot-Sample #...: D5B180230-001 Work Order #...: G4PN7 Matrix.....: WATER
Date Sampled...: 02/17/05 14:40 Date Received..: 02/18/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH	9.2	0.10	No Units	MCAWW 150.1	02/18/05	5049473
		Dilution Factor: 1		Analysis Time..: 15:09	MDL.....:	
Specific Conductance	160	2.0	umhos/cm	MCAWW 120.1	02/22/05	5053469
		Dilution Factor: 1		Analysis Time..: 15:45	MDL.....:	
Total Organic Carbon	7.3 J	1.0	mg/L	MCAWW 415.1	03/01/05	5061071
		Dilution Factor: 1		Analysis Time..: 20:00	MDL.....: 0.27	
Total Organic Carbon 2	7.6 J	1.0	mg/L	MCAWW 415.1	03/01/05	5061071
		Dilution Factor: 1		Analysis Time..: 20:00	MDL.....: 0.27	
Total Suspended Solids	78	2.0	mg/L	MCAWW 160.2	02/23/05	5055143
		Dilution Factor: 1		Analysis Time..: 12:05	MDL.....: 1.1	

NOTE(S):

RL Reporting Limit

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Waste Management, Inc.

Client Sample ID: DISCHARGE D

General Chemistry

Lot-Sample #...: D5B180230-002 Work Order #...: G4PPE Matrix.....: WATER
Date Sampled...: 02/17/05 14:30 Date Received..: 02/18/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH	8.3	0.10	No Units	MCAWW 150.1	02/18/05	5049473
		Dilution Factor: 1		Analysis Time..: 15:13	MDL.....:	
Specific Conductance	64	2.0	umhos/cm	MCAWW 120.1	02/22/05	5053469
		Dilution Factor: 1		Analysis Time..: 15:45	MDL.....:	
Total Organic Carbon	13 J	1.0	mg/L	MCAWW 415.1	03/01/05	5061071
		Dilution Factor: 1		Analysis Time..: 20:00	MDL.....: 0.27	
Total Organic Carbon 2	13 J	1.0	mg/L	MCAWW 415.1	03/01/05	5061071
		Dilution Factor: 1		Analysis Time..: 20:00	MDL.....: 0.27	
Total Suspended Solids	750 Q	10	mg/L	MCAWW 160.2	02/23/05	5055143
		Dilution Factor: 5		Analysis Time..: 12:05	MDL.....: 5.5	

NOTE(S):

RL Reporting Limit

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

QC DATA ASSOCIATION SUMMARY

D5B180230

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	MCAWW 120.1		5053469	5054123
	WATER	MCAWW 150.1		5049473	5052171
	WATER	MCAWW 160.2		5055143	5055085
	WATER	MCAWW 200.7		5053561	5053324
	WATER	MCAWW 415.1		5061071	5061040
002	WATER	MCAWW 120.1		5053469	5054123
	WATER	MCAWW 150.1		5049473	5052171
	WATER	MCAWW 160.2		5055143	5055085
	WATER	MCAWW 200.7		5053561	5053324
	WATER	MCAWW 415.1		5061071	5061040

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: D5B180230 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: D5B220000-561 **Prep Batch #...:** 5053561						
Iron	ND	100	ug/L	MCAWW 200.7	02/24-02/25/05	G4X0P1CF
		Dilution Factor: 1				
		Analysis Time..: 19:01				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D5B180230 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D5B220000-561 **Prep Batch #...:** 5053561					
Iron	104	(88 - 110)	MCAWW 200.7	02/24-02/25/05	G4X0P1CK
		Dilution Factor: 1		Analysis Time..: 19:06	

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D5B180230 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D5B220000-561 **Prep Batch #...:** 5053561							
Iron	1000	1040	ug/L	104	MCAWW 200.7	02/24-02/25/05	G4X0P1CK
		Dilution Factor: 1			Analysis Time..: 19:06		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D5B180230 **Matrix.....:** WATER
Date Sampled...: 02/17/05 12:36 **Date Received..:** 02/18/05

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D5B180370-001 **Prep Batch #...:** 5053561							
Iron	107	(88 - 110)			MCAWW 200.7	02/24-02/25/05	G4QRT1C4
	102	(88 - 110)	0.94	(0-20)	MCAWW 200.7	02/24-02/25/05	G4QRT1C5
		Dilution Factor: 1					
		Analysis Time..: 19:21					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D5B180230 **Matrix.....:** WATER
Date Sampled...: 02/17/05 12:36 **Date Received..:** 02/18/05

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D5B180370-001 **Prep Batch #...:** 5053561									
Iron									
	3600	1000	4660	ug/L	107		MCAWW 200.7	02/24-02/25/05	G4QRT1C4
	3600	1000	4610	ug/L	102	0.94	MCAWW 200.7	02/24-02/25/05	G4QRT1C5
			Dilution Factor: 1						
			Analysis Time..: 19:21						

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

General Chemistry

Client Lot #...: D5B180230 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Specific Conductance		Work Order #: G40LJ1AA		MB Lot-Sample #:	D5B220000-469	
	ND	2.0	umhos/cm	MCAWW 120.1	02/22/05	5053469
		Dilution Factor: 1				
		Analysis Time..: 15:45				
Total Organic Carbon		Work Order #: G5CVQ1AA		MB Lot-Sample #:	D5C020000-071	
	0.29 B	1.0	mg/L	MCAWW 415.1	03/01/05	5061071
		Dilution Factor: 1				
		Analysis Time..: 18:00				
Total Suspended Solids		Work Order #: G42V61AA		MB Lot-Sample #:	D5B240000-143	
	ND	2.0	mg/L	MCAWW 160.2	02/23/05	5055143
		Dilution Factor: 1				
		Analysis Time..: 12:05				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: D5B180230 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH		Work Order #: G4TP61AA	LCS Lot-Sample#: D5B180000-473		
	100	(97 - 102)	MCAWW 150.1	02/18/05	5049473
		Dilution Factor: 1	Analysis Time..: 15:18		
Specific Conductance		Work Order #: G40LJ1AC	LCS Lot-Sample#: D5B220000-469		
	100	(89 - 109)	MCAWW 120.1	02/22/05	5053469
		Dilution Factor: 1	Analysis Time..: 15:45		
Total Organic Carbon		Work Order #: G5CVQ1AC	LCS Lot-Sample#: D5C020000-071		
	104	(89 - 113)	MCAWW 415.1	03/01/05	5061071
		Dilution Factor: 1	Analysis Time..: 17:00		
Total Suspended Solids		Work Order #: G42V61AC	LCS Lot-Sample#: D5B240000-143		
	92	(86 - 114)	MCAWW 160.2	02/23/05	5055143
		Dilution Factor: 1	Analysis Time..: 12:05		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Client Lot #...: D5B180230 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH			Work Order #: G4TP61AA LCS Lot-Sample#: D5B180000-473				
	7.00	7.03	No Units	100	MCAWW 150.1	02/18/05	5049473
			Dilution Factor: 1		Analysis Time..: 15:18		
Specific Conductance			Work Order #: G40LJ1AC LCS Lot-Sample#: D5B220000-469				
	1410	1410	umhos/cm	100	MCAWW 120.1	02/22/05	5053469
			Dilution Factor: 1		Analysis Time..: 15:45		
Total Organic Carbon			Work Order #: G5CVQ1AC LCS Lot-Sample#: D5C020000-071				
	25.0	26.0	mg/L	104	MCAWW 415.1	03/01/05	5061071
			Dilution Factor: 1		Analysis Time..: 17:00		
Total Suspended Solids			Work Order #: G42V61AC LCS Lot-Sample#: D5B240000-143				
	100	92.0	mg/L	92	MCAWW 160.2	02/23/05	5055143
			Dilution Factor: 1		Analysis Time..: 12:05		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: D5B180230 **Matrix.....:** WATER
Date Sampled...: 02/15/05 09:06 **Date Received..:** 02/16/05

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon		WO#: G4JDM1A1-MS/G4JDM1A2-MSD				MS Lot-Sample #: D5B160203-006	
	91	(73 - 124)			MCAWW 415.1	03/01/05	5061071
	88	(73 - 124)	2.3	(0-10)	MCAWW 415.1	03/01/05	5061071

Dilution Factor: 1
Analysis Time..: 18:00

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: D5B180230 **Matrix.....:** WATER
Date Sampled...: 02/15/05 09:06 **Date Received..:** 02/16/05

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon			WO#: G4JDM1A1-MS/G4JDM1A2 MSD				MS Lot-Sample #: D5B160203-006		
	5.7	25.0	28.5	mg/L	91		MCAWW 415.1	03/01/05	5061071
	5.7	25.0	27.8	mg/L	88	2.3	MCAWW 415.1	03/01/05	5061071
			Dilution Factor: 1						
			Analysis Time..: 18:00						

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D5B180230 **Work Order #...:** G4PNH-SMP G4PNH-DUP **Matrix.....:** WATER

Date Sampled...: 02/17/05 13:30 **Date Received..:** 02/18/05

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH						SD Lot-Sample #: D5B180232-001		
	8.3	8.3	No Units	0.0	(0-5.0)	MCAWW 150.1	02/18/05	5049473

Dilution Factor: 1 Analysis Time..: 15:24

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D5B180230 **Work Order #...:** G4L42-SMP G4L42-DUP **Matrix.....:** WATER

Date Sampled...: 02/16/05 09:20 **Date Received..:** 02/17/05

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Specific Conductance						SD Lot-Sample #: D5B170235-001		
	830	830	umhos/cm	0.48	(0-7.0)	MCAWW 120.1	02/22/05	5053469

Dilution Factor: 1 Analysis Time..: 15:45

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D5B180230 **Work Order #...:** G4L43-SMP G4L43-DUP **Matrix.....:** WATER

Date Sampled...: 02/16/05 10:00 **Date Received..:** 02/17/05

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Specific Conductance						SD Lot-Sample #: D5B170235-002		
	2100	2100	umhos/cm	0.48	(0-7.0)	MCAWW 120.1	02/22/05	5053469

Dilution Factor: 1 Analysis Time..: 15:45

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D5B180230 **Work Order #...:** G40QQ-SMP G40QQ-DUP **Matrix.....:** WATER

Date Sampled...: 02/23/05 07:30 **Date Received..:** 02/23/05

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Solids						SD Lot-Sample #: D5B230181-001		
	42 G	38 G	mg/L	10	(0-20)	MCAWW 160.2	02/23/05	5055143
			Dilution Factor: 5			Analysis Time..: 12:05		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

4.0° [illegible]
2/17/05

Chain of Custody Record

STL-4124 (0901)

SEVERN TRENT STL
Severn Trent Laboratories, Inc.

STL Denver
4955 Yarrow Street
Arvada, CO 80002

Client: BRADLEY LANDFILL
Project Manager: Miguel Ramirez
Date: 2/17/05
Chain of Custody Number: 301624

Address: 9081 Tujunga Ave
Telephone Number (Area Code)/Fax Number: (818) 335-3867 / (818) 252-3109
Lab Number:
Page ____ of ____

City: SUN Valley
State: CA.
Zip Code: 91352
Site Contact:
Lab Contact:

Project Name and Location (State): 234 BRADley LF
Carrier/Waybill Number:

Contract/Purchase Order/Quote No.: 256062-B

Analysis (Attach list if more space is needed)

Special Instructions/ Conditions of Receipt

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Matrix: Aqueous	Matrix: Sed.	Matrix: Soil		Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH		pH/Cond	TSS	TOC	Total [illegible]	Special Instructions/ Conditions of Receipt
DIScHarge E	2/17/05	1440		4					1	1					1	1	1	1	
DIScHarge D	2/17/05	1430		4					1	1					1	1	1	1	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ______ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other______

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Miguel Ramirez	2/17/05	3:30	1. Received By: David F. Bourgeois	2/18/05	0930
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments: Need More Sample Bottles

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

SEVERN TRENT STL

STL Denver
4955 Yarrow Street
Arvada, CO 80002

Tel: 303 736 0100 Fax: 303 431 7171
www.stl-inc.com

ANALYTICAL REPORT

Project No. Site 234

Bradley LF

Lot #: D4J280218

Stormwater

Bruce Matlock

Waste Mgmt. Disp. Serv. of CA
9081 Tujunga
Sun Valley CA 91352

Cc: Tina Schmiesing

STL DENVER

Betsy Farnaus
Project Manager

November 9, 2004

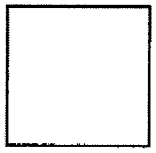
Table Of Contents

Standard Deliverables

Report Contents	Total Number of Pages

Standard Deliverables

*The **Cover Letter** and the **Report Cover** page are considered integral parts of this Standard Deliverable package. This report is incomplete unless all pages indicated in this Table of Contents are included.*



- **Table of Contents**
- **Case Narrative**
- **Executive Summary – Detection Highlights**
- **Methods Summary**
- **Method/Analyst Summary**
- **Lot Sample Summary**
- **Analytical Results**
- **QC Data Association Summary**
- **Chain-of-Custody**

Lot #: D4J280218

Case Narrative

Enclosed is the report for two samples received at STL's Denver laboratory on October 28, 2004. The results included in this report have been reviewed for compliance with STL's Laboratory Quality Manual. The test results shown in this report meet all requirements of NELAC and any exceptions are noted below.

This report may include data with reporting limits (RLs) less than STL Denver's standard reporting limits. These data and reporting limits are being used specifically to meet the needs of this project. Note that, data are not customarily reported to these levels without qualifiers, because they are inherently less reliable and potentially less defensible than the latest industry standards require. Please contact STL Denver for more details.

Dilution factors and footnotes have been provided to assist in the interpretation of the results. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at concentrations above the linear calibration curve, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

STL utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameters listed on the analytical methods summary page in accordance with the methods indicated. A summary of quality control parameters is provided below.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Quality Control Summary for Lot D4J280218

Sample Receiving

- The cooler temperature upon receipt at the Denver laboratory was 10.1°C. The cooler temperature was above the recommended temperature of 6.0 °C. The client was notified and requested to proceed with all analyses.

- All sample bottles were received in acceptable condition.

Holding Times

- All holding times were within established control limits.

Method Blanks

- Total Organic Carbon (TOC) Method 415.1 was detected in the Method Blank below the project established reporting limit. No corrective action is taken for any values in Method Blanks that are below the requested reporting limits. In addition, the samples had levels of TOC greater than ten times that of the Method Blank value, and therefore there is no impact on the data.

- All other Method Blanks were within established control limits.

Laboratory Control Samples

- All Laboratory Control Samples were within established control limits.

Lot #: D4J280218

Matrix Spike and Matrix Spike Duplicate (MS/MSD)

- All MS and MSD samples were within established control limits.

EXECUTIVE SUMMARY - Detection Highlights

D4J280218

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
DISCHARGE PT E 10/26/04 17:15 001				
Iron	3700	100	ug/L	MCAWW 200.7
Specific Conductance	99	2.0	umhos/cm	MCAWW 120.1
pH	7.7	0.10	No Units	MCAWW 150.1
Total Suspended Solids	64	2.0	mg/L	MCAWW 160.2
Total Organic Carbon	25 J	1.0	mg/L	MCAWW 415.1
Total Organic Carbon	24 J	1.0	mg/L	MCAWW 415.1
DISCHARGE PT D 10/26/04 17:30 002				
Iron	5600	100	ug/L	MCAWW 200.7
Specific Conductance	130	2.0	umhos/cm	MCAWW 120.1
pH	8.8	0.10	No Units	MCAWW 150.1
Total Suspended Solids	83	2.0	mg/L	MCAWW 160.2
Total Organic Carbon	9.6 J	1.0	mg/L	MCAWW 415.1
Total Organic Carbon	8.9 J	1.0	mg/L	MCAWW 415.1

PREPARATION METHODS SUMMARY

D4J280218

PREPARATION DESCRIPTION	PREPARATION METHOD	ANALYTICAL METHOD
pH	MCAWW 150.1	MCAWW 150.1
Acid Digestion for Total Recoverable Metals	MCAWW 200.7	MCAWW 200.7
Non-Filterable Residue (TSS)	MCAWW 160.2	MCAWW 160.2
Specific Conductance	MCAWW 120.1	MCAWW 120.1
Total Organic Carbon	MCAWW 415.1	MCAWW 415.1

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

ANALYTICAL METHODS SUMMARY

D4J280218

PARAMETER	ANALYTICAL METHOD
pH (Electrometric)	MCAWW 150.1
Inductively Coupled Plasma (ICP) Metals	MCAWW 200.7
Non-Filterable Residue (TSS)	MCAWW 160.2
Specific Conductance	MCAWW 120.1
Total Organic Carbon	MCAWW 415.1

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

METHOD / ANALYST SUMMARY

D4J280218

ANALYTICAL METHOD	ANALYST	ANALYST ID
MCAWW 120.1	Maria Fayard	002596
MCAWW 150.1	Fougere M. Danielle	006481
MCAWW 160.2	David Kendall	002164
MCAWW 200.7	Lynn-Anne Trudell	6645
MCAWW 415.1	Dave Elkin	000901

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SAMPLE SUMMARY

D4J280218

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
GVPD4	001	DISCHARGE PT E	10/26/04	17:15
GVPD9	002	DISCHARGE PT D	10/26/04	17:30

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

Waste Management, Inc.

Client Sample ID: DISCHARGE PT E

TOTAL Metals

Lot-Sample #...: D4J280218-001 **Matrix.....:** WATER
Date Sampled...: 10/26/04 17:15 **Date Received..:** 10/28/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4302628						
Iron	3700	100	ug/L	MCAWW 200.7	10/29-11/01/04	GVPD41AG
		Dilution Factor: 1		Analysis Time..: 17:48	MDL.....: 28	

Waste Management, Inc.

Client Sample ID: DISCHARGE PT D

TOTAL Metals

Lot-Sample #...: D4J280218-002 **Matrix.....:** WATER
Date Sampled...: 10/26/04 17:30 **Date Received..:** 10/28/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4302628						
Iron	**5600**	**100**	**ug/L**	**MCAWW 200.7**	**10/29-11/01/04**	**GVPD91AG**
		Dilution Factor: 1		Analysis Time..: 17:53	MDL.....: 28	

Waste Management, Inc.

Client Sample ID: DISCHARGE PT E

General Chemistry

Lot-Sample #...: D4J280218-001 Work Order #...: GVPD4 Matrix.....: WATER
Date Sampled...: 10/26/04 17:15 Date Received..: 10/28/04

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH	7.7	0.10	No Units	MCAWW 150.1	10/28/04	4302462
		Dilution Factor: 1		Analysis Time..: 13:37	MDL.....:	
Specific Conductance	99	2.0	umhos/cm	MCAWW 120.1	11/01/04	4306508
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....:	
Total Organic Carbon	25 J	1.0	mg/L	MCAWW 415.1	11/03/04	4309209
		Dilution Factor: 1		Analysis Time..: 17:00	MDL.....: 0.27	
Total Organic Carbon 2	24 J	1.0	mg/L	MCAWW 415.1	11/03/04	4309209
		Dilution Factor: 1		Analysis Time..: 17:00	MDL.....: 0.27	
Total Suspended Solids	64	2.0	mg/L	MCAWW 160.2	11/02/04	4307624
		Dilution Factor: 1		Analysis Time..: 17:50	MDL.....: 0.87	

NOTE(S):

RL Reporting Limit

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Waste Management, Inc.

Client Sample ID: DISCHARGE PT D

General Chemistry

Lot-Sample #...: D4J280218-002 Work Order #...: GVPD9 Matrix.....: WATER
Date Sampled...: 10/26/04 17:30 Date Received..: 10/28/04

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH	8.8	0.10	No Units	MCAWW 150.1	10/28/04	4302462
	Dilution Factor: 1			Analysis Time..: 13:42	MDL.....:	
Specific Conductance	130	2.0	umhos/cm	MCAWW 120.1	11/01/04	4306508
	Dilution Factor: 1			Analysis Time..: 15:00	MDL.....:	
Total Organic Carbon	9.6 J	1.0	mg/L	MCAWW 415.1	11/03/04	4309209
	Dilution Factor: 1			Analysis Time..: 17:00	MDL.....: 0.27	
Total Organic Carbon 2	8.9 J	1.0	mg/L	MCAWW 415.1	11/03/04	4309209
	Dilution Factor: 1			Analysis Time..: 17:00	MDL.....: 0.27	
Total Suspended Solids	83	2.0	mg/L	MCAWW 160.2	11/02/04	4307624
	Dilution Factor: 1			Analysis Time..: 17:50	MDL.....: 0.87	

NOTE(S):

RL Reporting Limit

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

QC DATA ASSOCIATION SUMMARY

D4J280218

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	MCAWW 120.1		4306508	4306306
	WATER	MCAWW 150.1		4302462	4303111
	WATER	MCAWW 160.2		4307624	4308293
	WATER	MCAWW 200.7		4302628	4302357
	WATER	MCAWW 415.1		4309209	4309127
002	WATER	MCAWW 120.1		4306508	4306306
	WATER	MCAWW 150.1		4302462	4303111
	WATER	MCAWW 160.2		4307624	4308293
	WATER	MCAWW 200.7		4302628	4302357
	WATER	MCAWW 415.1		4309209	4309127

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: D4J280218 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: D4J280000-628 **Prep Batch #...:** 4302628						
Iron	ND	100	ug/L	MCAWW 200.7	10/29-11/01/04	GVRG41AE
		Dilution Factor: 1				
		Analysis Time..: 16:52				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D4J280218 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D4J280000-628 **Prep Batch #...:** 4302628					
Iron	107	(88 - 110)	MCAWW 200.7	10/29-11/01/04	GVRG41A3
		Dilution Factor: 1	Analysis Time..: 16:56		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D4J280218 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D4J280000-628 **Prep Batch #...:** 4302628							
Iron	1000	1070	ug/L	107	MCAWW 200.7	10/29-11/01/04	GVRG41A3
		Dilution Factor: 1			Analysis Time..: 16:56		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D4J280218 **Matrix.....:** WATER
Date Sampled...: 10/27/04 07:50 **Date Received..:** 10/28/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D4J280189-001 **Prep Batch #...:** 4302628							
Iron	107	(88 - 110)			MCAWW 200.7	10/29-11/01/04	GVN4N1C1
	103	(88 - 110)	1.3	(0-20)	MCAWW 200.7	10/29-11/01/04	GVN4N1C2
		Dilution Factor: 1					
		Analysis Time..: 17:29					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D4J280218 **Matrix.....:** WATER
Date Sampled...: 10/27/04 07:50 **Date Received..:** 10/28/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D4J280189-001 **Prep Batch #...:** 4302628									
Iron									
	1800	1000	2860	ug/L	107		MCAWW 200.7	10/29-11/01/04	GVN4N1C1
	1800	1000	2820	ug/L	103	1.3	MCAWW 200.7	10/29-11/01/04	GVN4N1C2

Dilution Factor: 1
Analysis Time..: 17:29

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

General Chemistry

Client Lot #...: D4J280218 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Specific Conductance		Work Order #: GV1RG1AA		MB Lot-Sample #:	D4K010000-508	
	ND	2.0	umhos/cm	MCAWW 120.1	11/01/04	4306508
		Dilution Factor: 1				
		Analysis Time..: 15:00				
Total Organic Carbon		Work Order #: GV7R61AA		MB Lot-Sample #:	D4K040000-209	
	0.31 B	**1.0**	**mg/L**	**MCAWW 415.1**	**11/03/04**	**4309209**
		Dilution Factor: 1				
		Analysis Time..: 18:00				
Total Suspended Solids		Work Order #: GV6VP1AA		MB Lot-Sample #:	D4K020000-624	
	ND	2.0	mg/L	MCAWW 160.2	11/02/04	4307624
		Dilution Factor: 1				
		Analysis Time..: 17:50				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: D4J280218 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH		Work Order #: GVR751AA	LCS Lot-Sample#: D4J280000-462		
	100	(97 - 102)	MCAWW 150.1	10/28/04	4302462
		Dilution Factor: 1	Analysis Time..: 10:43		
Specific Conductance		Work Order #: GV1RG1AC	LCS Lot-Sample#: D4K010000-508		
	102	(89 - 109)	MCAWW 120.1	11/01/04	4306508
		Dilution Factor: 1	Analysis Time..: 15:00		
Total Organic Carbon		Work Order #: GV7R61AC	LCS Lot-Sample#: D4K040000-209		
	96	(89 - 113)	MCAWW 415.1	11/03/04	4309209
		Dilution Factor: 1	Analysis Time..: 17:00		
Total Suspended Solids		Work Order #: GV6VP1AC	LCS Lot-Sample#: D4K020000-624		
	99	(86 - 114)	MCAWW 160.2	11/02/04	4307624
		Dilution Factor: 1	Analysis Time..: 17:50		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Client Lot #...: D4J280218 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH			Work Order #: GVR751AA LCS Lot-Sample#: D4J280000-462				
	7.00	6.99	No Units	100	MCAWW 150.1	10/28/04	4302462
			Dilution Factor: 1		Analysis Time..: 10:43		
Specific Conductance			Work Order #: GV1RG1AC LCS Lot-Sample#: D4K010000-508				
	1410	1440	umhos/cm	102	MCAWW 120.1	11/01/04	4306508
			Dilution Factor: 1		Analysis Time..: 15:00		
Total Organic Carbon			Work Order #: GV7R61AC LCS Lot-Sample#: D4K040000-209				
	25.0	24.1	mg/L	96	MCAWW 415.1	11/03/04	4309209
			Dilution Factor: 1		Analysis Time..: 17:00		
Total Suspended Solids			Work Order #: GV6VP1AC LCS Lot-Sample#: D4K020000-624				
	147	146	mg/L	99	MCAWW 160.2	11/02/04	4307624
			Dilution Factor: 1		Analysis Time..: 17:50		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: D4J280218 **Matrix.....:** WATER
Date Sampled...: 11/01/04 13:30 **Date Received..:** 11/02/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon		WO#: GV25M1GA-MS/GV25M1GC-MSD				MS Lot-Sample #: D4K020215-001	
	95	(90 - 110)			MCAWW 415.1	11/03/04	4309206
	97	(90 - 110)	1.3	(0-10)	MCAWW 415.1	11/03/04	4309206
		Dilution Factor: 1					
		Analysis Time..: 15:00					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: D4J280218 **Matrix.....:** WATER
Date Sampled...: 11/01/04 13:30 **Date Received..:** 11/02/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon			WO#: GV25M1GA-MS/GV25M1GC-MSD				MS Lot-Sample #: D4K020215-001		
	1.1	25.0	24.9	mg/L	95		MCAWW 415.1	11/03/04	4309206
	1.1	25.0	25.2	mg/L	97	1.3	MCAWW 415.1	11/03/04	4309206
			Dilution Factor: 1						
			Analysis Time..: 15:00						

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D4J280218 **Work Order #...:** GVNX5-SMP GVNX5-DUP **Matrix.....:** WATER

Date Sampled...: 10/27/04 13:40 **Date Received..:** 10/28/04

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH						SD Lot-Sample #: D4J280176-001		
	8.3	8.3	No Units	0.0	(0-5.0)	MCAWW 150.1	10/28/04	4302462

Dilution Factor: 1 Analysis Time..: 11:48

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D4J280218 **Work Order #...:** GVR9E-SMP GVR9E-DUP **Matrix.....:** WATER

Date Sampled...: 10/28/04 08:05 **Date Received..:** 10/29/04

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Specific Conductance						SD Lot-Sample #: D4J290146-002		
	2000	2000	umhos/cm	0.051	(0-7.0)	MCAWW 120.1	11/01/04	4306508

Dilution Factor: 1 Analysis Time..: 00:00

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D4J280218 **Work Order #...:** GVN6E-SMP GVN6E-DUP **Matrix.....:** WATER

Date Sampled...: 10/27/04 09:10 **Date Received..:** 10/28/04

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Solids						SD Lot-Sample #: D4J280196-001		
	13	14	mg/L	5.9	(0-20)	MCAWW 160.2	11/02/04	4307624
			Dilution Factor: 1			Analysis Time..: 17:50		

Custody Record

10.1 Ice melted
** 10/28/04

SEVERN TRENT STL
Severn Trent Laboratories, Inc.

STL Denver
4955 Yarrow Street
Arvada, CO 80002

STL-4124 (0901)

Client	Project Manager	Date	Chain of Custody Number
BRADLEY LANDFILL	BRUCE MATLOCK	10/26/04	312059
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page ____ of ____**
9081 TUJUNGA AVE	818 252 3202 / 818 252-3249		
City / State / Zip Code	**Site Contact**	**Lab Contact**	**Analysis (Attach list if more space is needed)**
SUN VALLEY / CA / 91352		R. Delimont	
Project Name and Location (State)	**Carrier/Waybill Number**		
234 Bradley LF	FEDEX 848616255406		
Contract/Purchase Order/Quote No.			
25002-b			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H_2SO_4	HNO_3	HCl	NaOH	ZnAc/NaOH	pH, Cond	TSS	TDC	Total Fe	Special Instructions/ Conditions of Receipt
DISCHARGE PT E	10/26/04	5:15p		4				1	1				1	1	1	1	
DISCHARGE PT D	10/26/04	5:30p		4				1	1				1	1	1	1	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other ____

QC Requirements (Specify)

	Relinquished By	Date	Time	Received By	Date	Time
1.	Bruce Matlock	10/26/04	6:00pm			
2.						
3.						

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Jones, Ann-A

From: Farnaus, Betsy [BFarnaus@stl-inc.com]
Sent: Monday, June 13, 2005 10:00 AM
To: Jones, Ann-A
Subject: Sun Valley and Bradley Stormwater Reports

Hello,
Our data delivery group is pulling D4J280218 (Bradley) from an archived CD. I will e-mail that report as soon as possible.

<<d4j28221.pdf>> <<d5b18243.pdf>> <<d5b18230.pdf>>

Thanks!

Betsy Farnaus
Project Manager
STL Denver
4955 Yarrow Street
Arvada, CO 80002
direct phone line: (303) 736-0189
fax: (303) 432-8925
Leaders in Environmental Testing

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